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•Practice Limited to  
Federal Agencies

May 18, 2004

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Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**Art Unit 3747**

Re: U.S. Utility Patent Application  
Application No. 10/733,271; Filed: December 12, 2003  
For: **Multi-Stage Multi-Plane Combustion Method for a Gas Turbine Engine**  
Inventors: Willis *et al.*  
Our Ref: 2066.0040005

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Information Disclosure Statement;
2. A listing of 128 cited documents;
3. Copies of three (3) cited documents (AL1, AM1, and AR1); and
4. One Return Postcard.

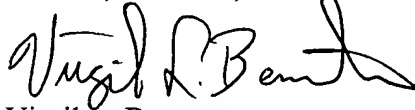
It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents  
May 18, 2004  
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

A handwritten signature in black ink, appearing to read "Virgil L. Beaton". The signature is fluid and cursive, with the first name "Virgil" being the most prominent.

Virgil L. Beaton  
Attorney for Applicants  
Registration No. 47,415

VLB/mhd

262996



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Willis *et al.*

Appl. No.: 10/733,271

Filed: December 12, 2003

For: **Multi-Stage Multi-Plane  
Combustion Method for a Gas  
Turbine Engine**

Confirmation No.: 8656

Art Unit: 3747

Examiner: *To Be Assigned*

Atty. Docket: 2066.0040005

**Information Disclosure Statement**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent

application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- ☐ 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- ☒ 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.
- ☐ 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.
  - ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first

cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

☐ c. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$\_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p).

☐ 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our PTO-2038 Credit Card Payment Form in the amount of \$\_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p); in addition: . .

☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

- ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☐ 5. The document(s) was/were cited in a search report by a foreign patent office in a counterpart foreign application. Submission of an English language version of the search report that indicates the degree of relevance found by the foreign office is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.
- ☐ 6. A concise explanation of the relevance of the non-English language document(s) appears below:
- ☒ 7. Copies of the foreign patent documents and other documents are submitted herewith.
- ☒ 8. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. 10/171,684, filed June 17, 2002, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

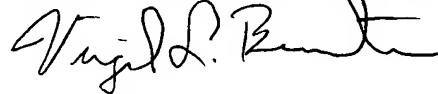
- ☒ 9. No copies of U.S. patents and patent application publications cited on the attached Form PTO-1449 are submitted in accordance with 1276 OG 55 because this application was filed after June 30, 2003.
- ☒ 10. It is expected that the examiner will review the prosecution and cited art in the parent application nos. 10/171,684, and 09/512,986 in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

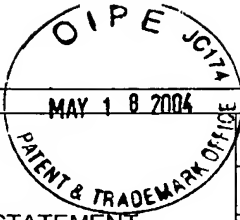


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Registration No. 47,415

Date: 5/18/2004

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FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
2066.0040005APPLICATION NO.  
10/733,271FIRST NAMED INVENTOR  
Jeffrey W. WillisFILING DATE  
December 12, 2003ART UNIT  
3747

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |     | DOCUMENT NUMBER | DATE    | NAME                   | CLASS | SUB-CLASS | FILING DATE |
|------------------|-----|-----------------|---------|------------------------|-------|-----------|-------------|
|                  | AA1 | 6,453,658       | 09/2002 | Willis <i>et al.</i>   |       |           |             |
|                  | AB1 | 6,684,642       | 02/2004 | Willis <i>et al.</i>   |       |           |             |
|                  | AC1 | 1,698,963       | 01/1929 | Oslund <i>et al.</i>   |       |           |             |
|                  | AD1 | 1,826,776       | 10/1931 | Gunther                |       |           |             |
|                  | AE1 | 1,874,970       | 08/1932 | Hall                   |       |           |             |
|                  | AF1 | 2,593,849       | 04/1952 | Clarke <i>et al.</i>   |       |           |             |
|                  | AG1 | 2,829,494       | 04/1958 | Christensen            |       |           |             |
|                  | AH1 | 2,946,185       | 07/1960 | Bayer                  |       |           |             |
|                  | AI1 | 2,982,099       | 05/1961 | Carlisle <i>et al.</i> |       |           |             |
|                  | AJ1 | 3,658,691       | 04/1972 | Keith <i>et al.</i>    |       |           |             |
|                  | AK1 | 3,676,328       | 07/1972 | Dalson <i>et al.</i>   |       |           |             |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |     | DOCUMENT NUMBER | DATE    | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|-----|-----------------|---------|---------|-------|-----------|-------------|
|                  | AL1 | 0 445 652 Z1    | 09/1991 | EP      |       |           | Yes<br>No   |
|                  | AM1 | 2239056         | 06/1991 | GB      |       |           | Yes<br>No   |
|                  | AN1 |                 |         |         |       |           | Yes<br>No   |
|                  | AO1 |                 |         |         |       |           | Yes<br>No   |
|                  | AP1 |                 |         |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|  |    |   |   |
|--|----|---|---|
|  | AR | 1 | Gessaman <i>et al.</i> , Industrial Trent Dry Low Emissions Gas Fuel Control System, ASME, 2001-GT-0024, pp. 1-5, (Presented at the International Gas Turbine & Aeroengine Congress & Exhibition, New Orleans, LA, June 4-7, 2001). |
|  | AS | 1 |   |
|  | AT | 1 |   |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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2066.0040005APPLICATION NO.  
10/733,271FIRST NAMED INVENTOR  
Jeffrey W. WillisFILING DATE  
December 12, 2003ART UNIT  
3747**U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |     | DOCUMENT<br>NUMBER | DATE    | NAME                     | CLASS | SUB-CLASS | FILING DATE |
|---------------------|-----|--------------------|---------|--------------------------|-------|-----------|-------------|
|                     | AA2 | 3,676,329          | 07/1972 | Dalson <i>et al.</i>     |       |           |             |
|                     | AB2 | 3,691,762          | 09/1972 | Ryberg, <i>et al.</i>    |       |           |             |
|                     | AC2 | 3,765,171          | 10/1973 | Hagen <i>et al.</i>      |       |           |             |
|                     | AD2 | 3,797,231          | 03/1974 | McLean                   |       |           |             |
|                     | AE2 | 3,846,979          | 11/1974 | Pfefferle                |       |           |             |
|                     | AF2 | 3,866,413          | 02/1975 | Sturgess                 |       |           |             |
|                     | AG2 | 3,875,047          | 04/1975 | Dalson <i>et al.</i>     |       |           |             |
|                     | AH2 | 3,893,297          | 07/1975 | Tatem, Jr. <i>et al.</i> |       |           |             |
|                     | AI2 | 3,895,488          | 07/1975 | Koch                     |       |           |             |
|                     | AJ2 | 3,914,090          | 10/1975 | Pfefferle                |       |           |             |
|                     | AK2 | 3,923,011          | 12/1975 | Pfefferle                |       |           |             |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |     | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|-----|--------------------|------|---------|-------|-----------|-------------|
|                     | AL2 |                    |      |         |       |           | Yes<br>No   |
|                     | AM2 |                    |      |         |       |           | Yes<br>No   |
|                     | AN2 |                    |      |         |       |           | Yes<br>No   |
|                     | AO2 |                    |      |         |       |           | Yes<br>No   |
|                     | AP2 |                    |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

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|  | AR | 2 |  |
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EXAMINER

DATE CONSIDERED

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| FORM PTO-1449<br><br>INFORMATION DISCLOSURE STATEMENT | ATTY. DOCKET NO.<br>2066.0040005          | APPLICATION NO.<br>10/733,271 |
|   | FIRST NAMED INVENTOR<br>Jeffrey W. Willis |                               |
|   | FILING DATE<br>December 12, 2003          | ART UNIT<br>3747              |

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |     | DOCUMENT<br>NUMBER | DATE    | NAME                 | CLASS | SUB-CLASS | FILING DATE |
|---------------------|-----|--------------------|---------|----------------------|-------|-----------|-------------|
|                     | AA3 | 3,928,961          | 12/1975 | Pfefferle            |       |           |             |
|                     | AB3 | 3,940,923          | 03/1976 | Pfefferle            |       |           |             |
|                     | AC3 | 3,973,390          | 08/1976 | Jeroszko             |       |           |             |
|                     | AD3 | 3,975,900          | 08/1976 | Pfefferle            |       |           |             |
|                     | AE3 | 3,982,879          | 09/1976 | Pfefferle            |       |           |             |
|                     | AF3 | 4,007,002          | 02/1977 | Schirmer             |       |           |             |
|                     | AG3 | 4,011,839          | 03/1977 | Pfefferle            |       |           |             |
|                     | AH3 | 4,019,316          | 04/1977 | Pfefferle            |       |           |             |
|                     | AI3 | 4,040,252          | 08/1977 | Mosier <i>et al.</i> |       |           |             |
|                     | AJ3 | 4,044,553          | 08/1977 | Vaught               |       |           |             |
|                     | AK3 | 4,065,917          | 01/1978 | Pfefferle            |       |           |             |

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL |     | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|-----|--------------------|------|---------|-------|-----------|-------------|
|                     | AL2 |                    |      |         |       |           | Yes<br>No   |
|                     | AM3 |                    |      |         |       |           | Yes<br>No   |
|                     | AN3 |                    |      |         |       |           | Yes<br>No   |
|                     | AO3 |                    |      |         |       |           | Yes<br>No   |
|                     | AP3 |                    |      |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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|  | AR | <u>3</u> |  |
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|   |   |                               |
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| FORM PTO-1449<br><br>INFORMATION DISCLOSURE STATEMENT | ATTY. DOCKET NO.<br>2066.0040005          | APPLICATION NO.<br>10/733,271 |
|   | FIRST NAMED INVENTOR<br>Jeffrey W. Willis |                               |
|   | FILING DATE<br>December 12, 2003          | ART UNIT<br>3747              |

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |     | DOCUMENT<br>NUMBER | DATE    | NAME                    | CLASS | SUB-CLASS | FILING DATE |
|---------------------|-----|--------------------|---------|-------------------------|-------|-----------|-------------|
|                     | AA4 | 4,073,716          | 02/1978 | Pfefferle <i>et al.</i> |       |           |             |
|                     | AB4 | 4,094,142          | 06/1978 | Pfefferle               |       |           |             |
|                     | AC4 | 4,112,675          | 09/1978 | Pillsbury <i>et al.</i> |       |           |             |
|                     | AD4 | 4,118,171          | 10/1978 | Flanagan <i>et al.</i>  |       |           |             |
|                     | AE4 | 4,179,881          | 12/1979 | Faucher <i>et al.</i>   |       |           |             |
|                     | AF4 | 4,192,139          | 03/1980 | Buchheim                |       |           |             |
|                     | AG4 | 4,239,499          | 12/1980 | Pfefferle               |       |           |             |
|                     | AH4 | 4,276,203          | 06/1981 | Pfefferle               |       |           |             |
|                     | AI4 | 4,285,193          | 08/1981 | Shaw <i>et al.</i>      |       |           |             |
|                     | AJ4 | 4,287,090          | 09/1981 | Pfefferle               |       |           |             |
|                     | AK4 | 4,295,818          | 10/1981 | Angwin <i>et al.</i>    |       |           |             |

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL |     | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|-----|--------------------|------|---------|-------|-----------|-------------|
|                     | AL4 |                    |      |         |       |           | Yes<br>No   |
|                     | AM4 |                    |      |         |       |           | Yes<br>No   |
|                     | AN4 |                    |      |         |       |           | Yes<br>No   |
|                     | AO4 |                    |      |         |       |           | Yes<br>No   |
|                     | AP4 |                    |      |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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|  | AR | <u>4</u> |  |
|  | AS | <u>4</u> |  |
|  | AT | <u>4</u> |  |

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|---------------------|-----|--------------------|---------|--------------------------|-------|-----------|-------------|
|                     | AA5 | 4,337,028          | 06/1982 | Angwin <i>et al.</i>     |       |           |             |
|                     | AB5 | 4,341,662          | 07/1982 | Pfefferle                |       |           |             |
|                     | AC5 | 4,384,843          | 05/1983 | Pfefferle                |       |           |             |
|                     | AD5 | 4,402,662          | 09/1983 | Pfefferle                |       |           |             |
|                     | AE5 | 4,407,785          | 09/1983 | Pfefferle                |       |           |             |
|                     | AF5 | 4,433,540          | 02/1984 | Cornelius <i>et al.</i>  |       |           |             |
|                     | AG5 | 4,439,136          | 03/1984 | Pfefferle                |       |           |             |
|                     | AH5 | 4,470,262          | 09/1984 | Shekleton                |       |           |             |
|                     | AI5 | 4,509,333          | 04/1985 | Nussdorfer <i>et al.</i> |       |           |             |
|                     | AJ5 | 4,586,328          | 05/1986 | Howald                   |       |           |             |
|                     | AK5 | 4,603,547          | 08/1986 | Pfefferle <i>et al.</i>  |       |           |             |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |     | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|-----|--------------------|------|---------|-------|-----------|-------------|
|                     | AL5 |                    |      |         |       |           | Yes<br>No   |
|                     | AM5 |                    |      |         |       |           | Yes<br>No   |
|                     | AN5 |                    |      |         |       |           | Yes<br>No   |
|                     | AO5 |                    |      |         |       |           | Yes<br>No   |
|                     | AP5 |                    |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

|  |    |          |  |
|--|----|----------|--|
|  | AR | <u>5</u> |  |
|  | AS | <u>5</u> |  |
|  | AT | <u>5</u> |  |

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|---------------------|-----|--------------------|---------|-------------------------|-------|-----------|-------------|
|                     | AA6 | 4,638,636          | 01/1987 | Cohen                   |       |           |             |
|                     | AB6 | 4,646,707          | 03/1987 | Pfefferle               |       |           |             |
|                     | AC6 | 4,698,963          | 10/1987 | Taylor                  |       |           |             |
|                     | AD6 | 4,726,181          | 02/1988 | Pillsbury               |       |           |             |
|                     | AE6 | 4,735,052          | 04/1988 | Maeda <i>et al.</i>     |       |           |             |
|                     | AF6 | 4,773,368          | 09/1988 | Pfefferle               |       |           |             |
|                     | AG6 | 4,787,208          | 11/1988 | DeCorso                 |       |           |             |
|                     | AH6 | 4,811,707          | 03/1989 | Pfefferle               |       |           |             |
|                     | AI6 | 4,819,595          | 04/1989 | Pfefferle               |       |           |             |
|                     | AJ6 | 4,864,811          | 09/1989 | Pfefferle               |       |           |             |
|                     | AK6 | 4,891,936          | 01/1990 | Shekleton <i>et al.</i> |       |           |             |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |     | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|-----|--------------------|------|---------|-------|-----------|-------------|
|                     | AL6 |                    |      |         |       |           | Yes<br>No   |
|                     | AM6 |                    |      |         |       |           | Yes<br>No   |
|                     | AN6 |                    |      |         |       |           | Yes<br>No   |
|                     | AO6 |                    |      |         |       |           | Yes<br>No   |
|                     | AP6 |                    |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

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| FORM PTO-1449<br><br>INFORMATION DISCLOSURE STATEMENT | ATTY. DOCKET NO.<br>2066.0040005          | APPLICATION NO.<br>10/733,271 |
|   | FIRST NAMED INVENTOR<br>Jeffrey W. Willis |                               |
|   | FILING DATE<br>December 12, 2003          | ART UNIT<br>3747              |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |     | DOCUMENT NUMBER | DATE    | NAME                    | CLASS | SUB-CLASS | FILING DATE |
|------------------|-----|-----------------|---------|-------------------------|-------|-----------|-------------|
|                  | AA7 | 4,896,636       | 01/1990 | Pfefferle               |       |           |             |
|                  | AB7 | 4,905,658       | 03/1990 | Pfefferle               |       |           |             |
|                  | AC7 | 4,910,957       | 03/1990 | Moreno <i>et al.</i>    |       |           |             |
|                  | AD7 | 4,918,915       | 04/1990 | Pfefferle               |       |           |             |
|                  | AE7 | 4,928,479       | 05/1990 | Shekleton <i>et al.</i> |       |           |             |
|                  | AF7 | 4,928,481       | 05/1990 | Joshi <i>et al.</i>     |       |           |             |
|                  | AG7 | 4,982,570       | 01/1991 | Waslo <i>et al.</i>     |       |           |             |
|                  | AH7 | 4,996,838       | 03/1991 | Melconian               |       |           |             |
|                  | AI7 | 5,000,004       | 03/1991 | Yamanaka <i>et al.</i>  |       |           |             |
|                  | AJ7 | 5,025,622       | 06/1991 | Melconian               |       |           |             |
|                  | AK7 | 5,051,241       | 09/1991 | Pfefferle               |       |           |             |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |     | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|-----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL7 |                 |      |         |       |           | Yes<br>No   |
|                  | AM7 |                 |      |         |       |           | Yes<br>No   |
|                  | AN7 |                 |      |         |       |           | Yes<br>No   |
|                  | AO7 |                 |      |         |       |           | Yes<br>No   |
|                  | AP7 |                 |      |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
2066.0040005APPLICATION NO.  
10/733,271FIRST NAMED INVENTOR  
Jeffrey W. WillisFILING DATE  
December 12, 2003ART UNIT  
3747**U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |     | DOCUMENT<br>NUMBER | DATE    | NAME                    | CLASS | SUB-CLASS | FILING DATE |
|---------------------|-----|--------------------|---------|-------------------------|-------|-----------|-------------|
|                     | AA8 | 5,054,280          | 10/1991 | Ishibashi <i>et al.</i> |       |           |             |
|                     | AB8 | 5,063,745          | 11/1991 | Shekleton <i>et al.</i> |       |           |             |
|                     | AC8 | 5,070,700          | 12/1991 | Mowill                  |       |           |             |
|                     | AD8 | 5,076,053          | 12/1991 | McVey <i>et al.</i>     |       |           |             |
|                     | AE8 | 5,079,911          | 01/1992 | Kumakura                |       |           |             |
|                     | AF8 | 5,099,644          | 03/1992 | Sable <i>et al.</i>     |       |           |             |
|                     | AG8 | 5,101,620          | 04/1992 | Shekleton <i>et al.</i> |       |           |             |
|                     | AH8 | 5,113,647          | 05/1992 | Shekleton               |       |           |             |
|                     | AI8 | 5,127,221          | 07/1992 | Beebe                   |       |           |             |
|                     | AJ8 | 5,146,881          | 09/1992 | Pfefferle               |       |           |             |
|                     | AK8 | 5,156,002          | 10/1992 | Mowill                  |       |           |             |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |     | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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|                     | AL8 |                    |      |         |       |           | Yes<br>No   |
|                     | AM8 |                    |      |         |       |           | Yes<br>No   |
|                     | AN8 |                    |      |         |       |           | Yes<br>No   |
|                     | AO8 |                    |      |         |       |           | Yes<br>No   |
|                     | AP8 |                    |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

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EXAMINER

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
2066.0040005APPLICATION NO.  
10/733,271FIRST NAMED INVENTOR  
Jeffrey W. WillisFILING DATE  
December 12, 2003ART UNIT  
3747**U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |     | DOCUMENT<br>NUMBER | DATE    | NAME                    | CLASS | SUB-CLASS | FILING DATE |
|---------------------|-----|--------------------|---------|-------------------------|-------|-----------|-------------|
|                     | AA9 | 5,161,366          | 11/1992 | Beebe                   |       |           |             |
|                     | AB9 | 5,163,284          | 11/1992 | Shekleton               |       |           |             |
|                     | AC9 | 5,167,122          | 12/1992 | Shekleton               |       |           |             |
|                     | AD9 | 5,199,265          | 04/1993 | Borkowicz               |       |           |             |
|                     | AE9 | 5,205,117          | 04/1993 | Shekleton <i>et al.</i> |       |           |             |
|                     | AF9 | 5,207,064          | 05/1993 | Ciokajlo <i>et al.</i>  |       |           |             |
|                     | AG9 | 5,214,911          | 06/1993 | Shekleton               |       |           |             |
|                     | AH9 | 5,222,357          | 06/1993 | Eddy <i>et al.</i>      |       |           |             |
|                     | AI9 | 5,234,882          | 08/1993 | Pfefferle               |       |           |             |
|                     | AJ9 | 5,235,813          | 08/1993 | McVey <i>et al.</i>     |       |           |             |
|                     | AK9 | 5,235,814          | 08/1993 | Leonard                 |       |           |             |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |     | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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|                     | AL9 |                    |      |         |       |           | Yes<br>No   |
|                     | AM9 |                    |      |         |       |           | Yes<br>No   |
|                     | AN9 |                    |      |         |       |           | Yes<br>No   |
|                     | AO9 |                    |      |         |       |           | Yes<br>No   |
|                     | AP9 |                    |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

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| FORM PTO-1449<br><br>INFORMATION DISCLOSURE STATEMENT | ATTY. DOCKET NO.<br>2066.0040005          | APPLICATION NO.<br>10/733,271 |
|   | FIRST NAMED INVENTOR<br>Jeffrey W. Willis |                               |
|   | FILING DATE<br>December 12, 2003          | ART UNIT<br>3747              |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |      | DOCUMENT NUMBER | DATE    | NAME                    | CLASS | SUB-CLASS | FILING DATE |
|------------------|------|-----------------|---------|-------------------------|-------|-----------|-------------|
|                  | AA10 | 5,261,224       | 11/1993 | Shekleton <i>et al.</i> |       |           |             |
|                  | AB10 | 5,321,049       | 06/1994 | Smith <i>et al.</i>     |       |           |             |
|                  | AC10 | 5,331,814       | 07/1994 | Sandelis                |       |           |             |
|                  | AD10 | 5,342,591       | 08/1994 | Pfefferle               |       |           |             |
|                  | AE10 | 5,376,345       | 12/1994 | Pfefferle               |       |           |             |
|                  | AF10 | 5,412,938       | 05/1995 | Keller                  |       |           |             |
|                  | AG10 | 5,417,933       | 05/1995 | Pfefferle               |       |           |             |
|                  | AH10 | RE34,962        | 06/1995 | Shekleton <i>et al.</i> |       |           |             |
|                  | AI10 | 5,421,154       | 06/1995 | Pfefferle <i>et al.</i> |       |           |             |
|                  | AJ10 | 5,437,152       | 08/1995 | Pfefferle               |       |           |             |
|                  | AK10 | 5,440,872       | 09/1995 | Pfefferle               |       |           |             |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL |      | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|------|-----------------|------|---------|-------|-----------|-------------|
|                  | AL10 |                 |      |         |       |           | Yes<br>No   |
|                  | AM10 |                 |      |         |       |           | Yes<br>No   |
|                  | AN10 |                 |      |         |       |           | Yes<br>No   |
|                  | AO10 |                 |      |         |       |           | Yes<br>No   |
|                  | AP10 |                 |      |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
2066.0040005APPLICATION NO.  
10/733,271FIRST NAMED INVENTOR  
Jeffrey W. WillisFILING DATE  
December 12, 2003ART UNIT  
3747**U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |      | DOCUMENT<br>NUMBER | DATE    | NAME                 | CLASS | SUB-CLASS | FILING DATE |
|---------------------|------|--------------------|---------|----------------------|-------|-----------|-------------|
|                     | AA11 | 5,452,574          | 09/1995 | Cowell <i>et al.</i> |       |           |             |
|                     | AB11 | 5,453,003          | 09/1995 | Pfefferle            |       |           |             |
|                     | AC11 | 5,466,651          | 11/1995 | Pfefferle            |       |           |             |
|                     | AD11 | 5,479,781          | 01/1996 | Fric <i>et al.</i>   |       |           |             |
|                     | AE11 | 5,592,819          | 01/1997 | Ansart <i>et al.</i> |       |           |             |
|                     | AF11 | 5,611,684          | 03/1997 | Spielman             |       |           |             |
|                     | AG11 | 5,622,054          | 04/1997 | Tingle               |       |           |             |
|                     | AH11 | 5,685,156          | 11/1997 | Willis <i>et al.</i> |       |           |             |
|                     | AI11 | 5,735,126          | 04/1998 | Schulte-Werning      |       |           |             |
|                     | AJ11 | 5,752,380          | 05/1998 | Bosley <i>et al.</i> |       |           |             |
|                     | AK11 | 5,850,732          | 12/1998 | Willis <i>et al.</i> |       |           |             |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |      | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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|                     | AL11 |                    |      |         |       |           | Yes<br>No   |
|                     | AM11 |                    |      |         |       |           | Yes<br>No   |
|                     | AN11 |                    |      |         |       |           | Yes<br>No   |
|                     | AO11 |                    |      |         |       |           | Yes<br>No   |
|                     | AP11 |                    |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

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FORM PTO-1449

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2066.0040005APPLICATION NO.  
10/733,271FIRST NAMED INVENTOR  
Jeffrey W. WillisFILING DATE  
December 12, 2003ART UNIT  
3747**U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |      | DOCUMENT<br>NUMBER | DATE    | NAME                   | CLASS | SUB-CLASS | FILING DATE |
|---------------------|------|--------------------|---------|------------------------|-------|-----------|-------------|
|                     | AA12 | 5,894,720          | 04/1999 | Willis <i>et al.</i>   |       |           |             |
|                     | AB12 | 6,016,658          | 01/2000 | Willis <i>et al.</i>   |       |           |             |
|                     | AC12 | 6,274,945          | 08/2001 | Gilbreth <i>et al.</i> |       |           |             |
|                     | AD12 | 6,487,096          | 11/2002 | Gilbreth <i>et al.</i> |       |           |             |
|                     | AE12 |                    |         |                        |       |           |             |
|                     | AF12 |                    |         |                        |       |           |             |
|                     | AG12 |                    |         |                        |       |           |             |
|                     | AH12 |                    |         |                        |       |           |             |
|                     | AI12 |                    |         |                        |       |           |             |
|                     | AJ12 |                    |         |                        |       |           |             |
|                     | AK12 |                    |         |                        |       |           |             |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |      | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|------|--------------------|------|---------|-------|-----------|-------------|
|                     | AL12 |                    |      |         |       |           | Yes<br>No   |
|                     | AM12 |                    |      |         |       |           | Yes<br>No   |
|                     | AN12 |                    |      |         |       |           | Yes<br>No   |
|                     | AO12 |                    |      |         |       |           | Yes<br>No   |
|                     | AP12 |                    |      |         |       |           | Yes<br>No   |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

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